

# ***DSView 3 Software Plug-in for MergePoint Unity™ Switches***

## **Using Online Help**

Use this guide to locate information about the DSView 3 software plug-in for MergePoint Unity KVM over IP and serial console switches by:

- Clicking the *Contents* tab to browse the contents
- Clicking the *Search* tab to perform a full text search
- Clicking the *Favorites* tab to bookmark topics for future reference

Check out the [Avocent web site](http://www.avocent.com) on a regular basis for the latest firmware updates, documentation revisions and technical information.

## **For Customer Support**

Call: 1-888-793-8763

00353-61-715-292 (International)

Visit: <http://www.avocent.com/support>

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# ***DSView 3 Software Plug-in for MergePoint Unity Switches***

The MergePoint Unity KVM over IP and serial console switch plug-in allows you to access and control MergePoint Unity switches and attached target devices from the DSView 3 management software. You can launch a KVM session to a target device from a single point of access.

The information provided here is supplemental to the DSView 3 help and the documentation included with the MergePoint Unity switch. For detailed information on a particular functionality, please refer to the corresponding documentation.

## **System Requirements**

### **DSView 3 management software requirements**

For information on how to install a plug-in, see the DSView 3 help (keyword: plug-ins). Licenses are not required for MergePoint Unity switch plug-in operations.

### **Supported Avocent MergePoint Unity switches**

The plug-in supports the following MergePoint Unity switch models:

- MPU1016, MPU1016DAC, MPU2016, MPU2016DAC, MPU4032, MPU4032DAC, MPU8032, MPU8032DAC

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**NOTE:** For a complete list of switches supported by the DSView 3 software, see the DSView 3 help (keywords: supported units).

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## **Operations**

To begin managing a MergePoint Unity switch with the DSView 3 software, first add or discover the switch to the DSView 3 software. See the DSView 3 help (keywords: adding units) for more information. The added MergePoint Unity switches and attached target devices are available in the Units View windows in the DSView 3 software. For more information about navigation and actions that can be performed from Units View windows, see the DSView 3 help (keywords: units view windows).

DSView 3 software administrators may assign unit access rights for each MergePoint Unity switch. Unit access rights allow administrators to specify what users or user groups may perform certain actions for a unit type. See the DSView 3 help (keywords: unit access rights).

## Viewing DHCP status

From the DSView 3 Units View windows, you can see if Dynamic Host Configuration Protocol (DHCP) is enabled or disabled on a MergePoint Unity switch. The DHCP status column is hidden by default, but you can customize the Units View windows to display the column.

DHCP can be enabled or disabled on units by applying a configuration template; see the DSView 3 help (keywords: configuration templates).

### To configure and view the DHCP status of a MergePoint Unity switch:

1. In a Units View window containing a MergePoint Unity switch, click *Customize*.
2. Select *DHCP* in the Available fields column and click *Add*.
3. To set the Fields to Show and List Items as the default, click *Set as Default*. This button appears only if you are a DSView 3 software administrator.
4. Click *Save* and then click *Close*. The Units View window opens.
5. A DHCP status of Enabled or Disabled is displayed for each MergePoint Unity switch.

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**NOTE:** For MergePoint Unity switches that do not support DHCP status, the status field is blank.

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## Appliance configuration template properties

Appliance configuration templates allow administrators to simultaneously configure multiple units from the DSView 3 software. An appliance configuration template may be used to configure new units or to replace existing units. For more information about appliance configuration templates, see the DSView 3 help (keywords: configuration templates). Each unit type may support a different set of properties; the MergePoint Unity switch appliance configuration templates support the following properties. These properties are applied to a MergePoint Unity switch when the Appliance Replacement, Apply Configuration Template, Apply Last Known Good Configuration Template or Apply Current Configuration Template operations are executed.

**Table 1: Appliance Configuration Template Properties Supported for MergePoint Unity Switches**

Unit - Appliance Settings - Network Window			
IP Address*	IP Address Type*	Subnet Mask*	Gateway Address*
LAN Speed	DHCP	ICMP Ping Reply	
* These settings are only applied when an Appliance Replacement operation is executed.			
Unit - Appliance Settings - Authentication Servers Window			
IP Address 1	IP Address 2	IP Address 3	IP Address 4
Unit - Appliance Settings - SNMP - Settings Window			
Enable SNMP	Community Read	Community Write	Community Trap

**Table 1: Appliance Configuration Template Properties Supported for MergePoint Unity Switches (Continued)**

<b>Unit - Appliance Settings - SNMP - Settings Window (Continued)</b>			
Allowable Managers 1	Allowable Managers 2	Allowable Managers 3	Allowable Managers 4
Trap Destination 1	Trap Destination 2	Trap Destination 3	Trap Destination 4
<b>Unit - Appliance Settings - SNMP Traps Window</b>			
Aggregated Server Status Changed	Appliance Rebooting	Appliance Set To Factory Defaults	Cascade Switch Added
Cascade Switch Name Changed	Cascade Switch Removed	Cold Start	Configuration File Loaded
Image Upgrade Result	Image Upgrade Started	IQ Adaptor Added	IQ Adaptor Image Upgrade Result
IQ Adaptor Image Upgrade Started	IQ Adaptor Moved	IQ Adaptor Removed	IQ Adaptor Restarted
Link Down	Link Up	Local Port Session Started	Local Port Session Stopped
Local Port Session Terminated	Local Port Virtual Media Drive Mapped	Local Port Virtual Media Drive Unmapped	Local Port Virtual Media Session Reserved
Local Port Virtual Media Session Started	Local Port Virtual Media Session Stopped	Local Port Virtual Media Session Terminated	Local Port Virtual Media Session Unreserved
Local User Account Added	Local User Account Deleted	Local User Account Locked	Local User Account Modified
Local User Account Unlocked	Local User Authentication Failed	Power Device Device Name Change	Power Device Image Upgrade Result
Power Device Image Upgrade Started	Power Device Inlet Name Change	Power Device Max Inlet Load Threshold Exceeded	Power Device Min Inlet Load Threshold Exceeded
Power Device Offline	Power Device Online	Power Device Port Name Change	Power Device Socket Name Change
Power Device Socket Off Command	Power Device Socket OffSense Failure	Power Device Socket On Command	Power Device Socket OnSense Failure
Power Device Socket Reboot Command	Power Device Socket State Changed To Off	Power Device Socket State Changed To On	Power Supply Failure
Power Supply Restored	Screen Resolution Changed	Server Name Changed	SNMP Authentication Failure

**Table 1: Appliance Configuration Template Properties Supported for MergePoint Unity Switches (Continued)**

<b>Unit - Appliance Settings - SNMP Traps Window (Continued)</b>			
User Database File Loaded	User Logged In	User Logged Out	Video Session Started
Video Session Stopped	Video Session Terminated	Virtual Media Drive Mapped	Virtual Media Drive Unmapped
Virtual Media Session Reserved	Virtual Media Session Started	Virtual Media Session Stopped	Virtual Media Session Terminated
Virtual Media Session Unreserved			
<b>Unit - Appliance Settings - Ports - KVM Target Devices Window</b>			
Name in Appliance	Port		
<b>Unit - Appliance Settings - Ports - Cascade Switches Window</b>			
Name in Appliance	Port		
<b>Unit - Appliance Settings - Ports - Power Devices Window</b>			
Name in Appliance	Description	Load Minimum (amps)	Load Maximum (amps)
Input Feed Name	Socket Name	Minimum On (seconds)	Minimum Off (seconds)
Wake	Buzzer	Over Current Protection	Cycle/Reboot Delay (seconds)
<b>Unit - Appliance Settings - Ports - Local Port UI Window</b>			
Disable Local Port User Authentication	Invoke Local Port with Print Scrn	Invoke Local Port with Alt Alt	Invoke Local Port with Ctrl Ctrl
Invoke Local Port with Shift Shift	Scan Time (seconds)		
<b>Unit - Appliance Settings - Ports - Modem Window</b>			
Modem Session Can Preempt Digital Sessions	Authentication Timeout (seconds)	Inactivity Timeout (minutes)	
<b>Unit - Appliance Settings - Sessions - Settings - KVM Window</b>			
Enable Inactivity Timeout	Inactivity Timeout (minutes)	Enable Video Noise Compensation	Encryption Level for Keyboard and Mouse
Encryption Level for Video			

**Table 1: Appliance Configuration Template Properties Supported for MergePoint Unity Switches (Continued)**

Unit - Appliance Settings - Sessions - Settings - Virtual Media - VM Session Window			
Lock to KVM Session	Allow Reserved Sessions	Read-Only Access	Encryption Level
Unit - Appliance Settings - Exit Macros Window			
Exit Macro Name	Exit Macro Value		
Unit - Appliance Settings - Local Accounts - Users - Local Users Settings Window			
Name	Password	Preemption Level	Access Level
Settings NOT displayed in the DSView 3 software			
Login Session Timeout	DNS Servers	Override Username	Override Password
RIP Keyboard Language	Auto Add Server	Auto Add Interval	Enable LDAP Authentication
LDAP Server Name	LDAP Server Port	LDAP Server Access	LDAP Search DN
LDAP Search Password	LDAP Search Base	LDAP Search User ID	LDAP Query Mode Application
LDAP Query Mode Server	LDAP Group Container	LDAP Group Container Mask	LDAP Target Mask
LDAP Access Control	Network Prefix Length	SPC Location	SPC Device Name
SPC Username	SPC Password	Serial Baud Rate	Serial Flow Control
Serial Protocol	Serial Time Out	Enable PPP Control	

## Additional operations

All other DSView 3 operations for MergePoint Unity switches are described in the DSView 3 help.